

## METHOD FOR COEXISTENCE AND COOPERATION BETWEEN SYSTEM FIRMWARE AND DEBUG CODE

### Abstract of the Disclosure

5 A method and apparatus are provided for implementing coexistence  
and cooperation between system firmware and debug code. A service  
processor is coupled to a machine under test for sending system firmware  
test functions to the machine under test and receiving test data from the  
machine under test. A host computer is coupled to the service processor for  
10 sending bring-up tool debug test functions to the machine under test and  
receiving test data from the machine under test. The system firmware starts  
without user intervention on initial power-on routine of the machine under  
test. When the host computer receives a user request, the host computer  
notifies the service processor. The bring-up tool debug test functions are  
15 started responsive to the user request. The system firmware can be used  
for certain operations to a certain point in an operational test sequence of  
the machine under test and then the debug tool debug test functions are  
used for other functions that are not implemented in the system firmware. A  
user can use either the system firmware or the bring-up tool debug test  
functions at any time.